

Subpart F—Control and Internal Communications Systems

- 121.602 Internal communications systems.
- 121.610 Public address systems.
- 121.620 Propulsion engine control systems.

Subpart G—Miscellaneous

- 121.702 Pollution prevention equipment and procedures.
- 121.704 Marine sanitation devices.
- 121.710 First aid kits.

AUTHORITY: 46 U.S.C. 2103, 3306; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; 49 CFR 1.46.

SOURCE: CGD 85-080, 61 FR 933, Jan. 10, 1996, unless otherwise noted.

Subpart A—General Provisions

§ 121.100 General requirement.

(a) Vessel control systems and other miscellaneous systems and equipment required by this part must be suitable for the purposes intended.

(b) The cognizant Officer in Charge, Marine Inspection (OCMI) may require navigation, control, or communications equipment, in excess of the equipment specifically required by this part, on a vessel that is of a novel design, operates at high speeds in restricted or high traffic areas, operates in a dynamically supported mode, or operates on extended routes or in remote locations.

§ 121.115 Applicability to existing vessels.

(a) An existing vessel need not comply with §§ 121.402(c), 121.404, 121.410, and 121.602 of this part unless the cognizant OCMI specifically requires compliance due to the route or service of the vessel.

(b) An existing vessel need not comply with the requirements of § 121.610 of this part until March 11, 2001, or 10 years after its keel was laid or the vessel was at a similar stage of construction, whichever is later.

(c) An existing vessel need not comply with the requirements of § 121.710 of this part until March 11, 1997.

Subpart B—Cooking and Heating

§ 121.200 General.

Cooking and heating equipment must be suitable for marine use. Equipment

designed and installed in accordance with American Boat and Yacht Council (ABYC) A-3, "Recommended Practices and Standards Covering Galley Stoves," and A-7, "Recommended Practices and Standards Covering Boat Heating Systems," or with National Fire Protection Association (NFPA) 302, "Pleasure and Commercial Motor Craft," complies with this requirement, except as restricted by § 121.202 of this part.

§ 121.202 Restrictions.

(a) The use of gasoline for cooking, heating, or lighting is prohibited on all vessels.

(b) Fireplaces or other space heating equipment with open flames are prohibited on all vessels.

(c) Vessels permitted to use liquefied and non-liquefied gases as cooking fuels by 46 Code of Federal Regulations (CFR) part 147 must meet the requirements of § 121.240. The use of these fuels for cooking, heating, and lighting on ferry vessels is prohibited by part 147 in subchapter N of this chapter.

§ 121.210 Heating equipment.

(a) Each heater must be so constructed and installed as to prevent contact with combustible materials such as towels and clothing.

(b) Each electric space heater must be provided with a thermal cutout to prevent overheating.

(c) Each heater element of an electric space heater must be of an enclosed type, and the element case or jacket must be made of a corrosion resistant material.

§ 121.220 Cooking equipment.

(a) Doors on a cooking appliance must be provided with hinges and locking devices to prevent accidental opening in heavy seas.

(b) A cooking appliance must be installed to prevent movement in heavy seas.

(c) For a grill or similar type of cooking appliance, means must be provided to collect grease or fat and to prevent its spillage on wiring or the deck.

(d) Grab rails must be installed on a cooking appliance when determined by

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the cognizant OCMI to be necessary for safety.

(e) Sea rails, with suitable barriers to prevent accidental movement of cooking pots, must be installed on a cooking range.

(f) Electric connections for a cooking appliance must be dripproof.

[CGD 85-080, 61 FR 933, Jan. 10, 1996, as amended at 62 FR 51352, Sept. 30, 1997]

§ 121.240 Gas systems.

Cooking systems using liquefied petroleum gas (LPG) and compressed natural gas (CNG) must meet the following requirements:

(a) The design, installation and testing of each LPG system must meet ABYC A-1, "Marine Liquefied Petroleum Gas (LPG) Systems," Chapter 6 of NFPA 302, or other standard specified by the Commandant.

(b) The design, installation and testing of each CNG system must meet ABYC A-22, "Marine Compressed Natural Gas (CNG) Systems," Chapter 6 of NFPA 302, or other standard specified by the Commandant.

(c) Cooking systems using Chapter 6 of NFPA 302 as the standard must meet the following additional requirements.

(1) The storage or use of CNG containers within the accommodation area, machinery spaces, bilges, or other enclosed spaces is prohibited;

(2) LPG or CNG must be odorized in accordance with ABYC A-1, appendix 4, or A-22, appendix 4, respectively;

(3) The marking and mounting of LPG cylinders must be in accordance with ABYC A-1, appendix 7; and

(4) LPG cylinders must be of the vapor withdrawal type as specified in ABYC A-1, section 1.7.

(d) Continuous pilot lights or automatic glow plugs are prohibited for an LPG or CNG installation using ABYC A-1 or A-22 as the standard.

(e) CNG installation using ABYC A-22 as the standard must meet the following additional requirements:

(1) The storage or use of CNG containers within the accommodation area, machinery spaces, bilges, or other enclosed spaces is prohibited;

(2) CNG cylinders, regulating equipment, and safety equipment must meet the installation, stowage, and testing

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requirements of paragraph 6-5.12 of NFPA 302; and

(3) The use or stowage of stoves with attached CNG cylinders is prohibited as specified in paragraph 6-5.1 of NFPA 302.

(f) If the fuel supply line of an LPG or CNG system enters an enclosed space on the vessel, a remote shut off valve must be installed that can be operated from a position adjacent to the appliance. The valve must be located between the fuel tank and the point where the fuel supply line enters the enclosed portion of the vessel. A power operated valve installed to meet this requirement must be of a type that will fail closed.

(g) The following variances from ABYC A-1 section 1.12 are allowed for CNG:

(1) The storage locker or housing access opening need not be in the top; and

(2) The locker or housing need not be above the waterline.

(h) The following variances from NFPA 302 are allowed.

(1) The storage locker or housing for CNG tank installations need not be above the waterline as required by paragraph 6-5.12.1.1(a); and

(2) Ignition protection need not be provided as required by paragraph 6-5.4.

NOTE TO §121.240: The ABYC and NFPA standards referenced in this section require the posting of placards containing safety precautions for gas cooking systems.

[CGD 85-080, 61 FR 933, Jan. 10, 1996, as amended at 62 FR 51352, Sept. 30, 1997; USCG-2000-7790, 65 FR 58463, Sept. 29, 2000]

Subpart C—Mooring and Towing Equipment

§ 121.300 Ground tackle and mooring lines.

A vessel must be fitted with ground tackle and mooring lines necessary for the vessel to be safely anchored or moored. The ground tackle and mooring lines provided must be satisfactory for the size of the vessel, the waters on which the vessel operates, subject to the approval of the cognizant OCMI.